	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	vious Measuren		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification. C. Prestressed /Reinforced cement concrete grade M-20	Cum			28.09	725.04	20366.00	28.09	20366.00	
2	Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification.ii) Dismantling Brick / Tile work . B.Cement mortar	Cum			28.81	180.20	5192.00	28.81	5192.00	
3	Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification. i) Lime/Cement concrete. I.By Manual means : A. Lime/Cement Concrete, I.By Manual means : B cement concrete Grade M-15 & M-20	Cum			33.06	271.36	8971.00	33.06	8971.00	
4	Dismantling of existing structures like culverts, bridges retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work including T & P and scaffolding wherever necessary sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specification.iii) Dismantling Stone Masonry. B.Rubble Stone masonry in	Cum			19.73	180.20	3555.00	19.73	3555.00	
5	Loading and Unloading of Stone Boulder/Stone aggregates / Sand/Kanker/MoorumKSRRB M100-1 : Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications MORTH - 100 Chapter 1	Cum			89.97	79.71	7172.00	89.97	7172.00	
6	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications	Cum			191.34	132.50	25353.00	191.34	25353.00	
7	Providing and Filling in foundation with granite/trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead upto 50m and lift of 1.5m complete as per specifications.	Cum			28.84	1114.06	32129.00	28.84	32129.00	
8	Providing and laying in position plain cement concrete of mix M 10 with OPC cement @ 220 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, cost of all materials, labour HOM of machinery curing complete as per specifications. Specification N	Cum			35.94	4053.44	145681.00	35.94	145681.00	
9	Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications	Cum			36.13	5142.06	185783.00	36.13	185783.00	
10	Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications	Cum			58.72	2710.42	159156.00	58.72	159156.00	
11	Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications	Cum			12.92	3164.10	40880.00	12.92	40880.00	
12	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications	Cum			191.34	89.04	17037.00	191.34	17037.00	
13	Earthwork excavation (in deposited soil) and filling sides of foundation upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications.	Cum			82.19	177.02	14549.00	82.19	14549.00	
14	Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum fine aggregates @ 0.46 cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for R.C.C.Beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintles, columns, including cost of all materials, labour, HOM of machinery curing, complete as per specifications									
	GF	Cum			47.35	5142.06	243477.00	47.35	243477.00	
	FF	Cum			34.42	5195.06	178814.00	34.42	178814.00	
	SF	Cum			17.57	5248.06	92208.00	17.57	92208.00	

17.52 91946=00 17.52 91946=00

SBR No- 178/14-15 Dt. 30-10-2014 Yogeswari

Original/Duplicate/Triplicate EST. Cost.50.00 lakhs

CONTRACT CERTIFICATE

(For Other Works)

No. 1st & FINAL BILL Date : .....

Division DD Sub-Division DD

Bill received No. 650 Dated 30.10.2014

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. 14-15 Head of Account .....

Name of work (as per sanctioned estimate) CONSTRUCTION OF PRIMARY SCHOOL BUILDING IN DASARAHALLI OLD VILLAGE WARD NO.15

Name of Contractor and Full Address THE TECHNICAL MANAGER (WEST) KRIDL

Reference to Agreement No. EE/DD/WO/376/12-13 Date: 25.2.2013

Certified that the measurements were taken by me on 30/10/2014 and recorded in pages 12 To 35 of measurements Book No. 17/0/12-13 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-2 KRIDL, BBMP DIVISION BANGALORE - 560 010

30/10/14

Officer - in - charge of work

Certified that the measurements were checked by me on 30/10/14 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment JOB NO : 015-12-000038 P CODE NO.2178

Sub - Division Officer

		AMOUNT
1.	Total value of work done or supplies made as per account.	
2.	Deduct amount to be held in reserve being ..... percent Rs.	
3.	- do - Balance	Bill Amount - -- 5420286=00
4.	Deduct Payments :	
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	IT - 108406=00
	Amount adjusted towards cash advance recovery of	VAT - 216811=00
	b) Payments cost store or other materials supplied.	FSD - 271014=00
5.	Balance being unpaid value of work done held in reserve	Total -- (-) 706482=00
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	Lwc - 54203=00
		CBF - 5420=00
7.	Net amount due to or from contractor	LR - 40627=00
	Unadjusted items	Fine - 10,000=00
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	Total amount adjusted -- 4713805=00

Net

Contractor Signature

EXECUTIVE ENGINEER-2 KRIDL, BBMP DIVISION BANGALORE - 560 010

Received Rs. ..... (in words)

.....

..... by cash and by adjustment of Payment as per memorandum.

(In final settlement of all demand)

Witness :

1.

2.

Date

Stamp

30/10/14

Signature of Contractor

(For use in the Office)

Audited and admitted for Rs. 5420286=00

Passed by Cheque for Rs. 4713805=00

(Rupees .....)

by Rs. 706481=00

Accounts Officer

Executive Engineer

B.B.M.P. Dasarahalli Division

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
15	: Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 24 kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.5175 cum fine aggregates @ 0.345 cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms, average thickness upto ground floor level, including cost of all materials, labour, HOM of machinery curing, complete as per specifications.									
	GF	Cum			10.80	376.30	4064.00	10.80	4064.00	
	FF	Cum			13.50	379.48	5123.00	13.50	5123.00	
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification				416.54		105967=00	416.54		
	GF	Sqm			417.47	254.40	106204.00	417.47	106204.00	105967=00
	FF & SF	Sqm			513.23	254.40	130566.00	513.23	130566.00	130296=00
17	Providing TMT steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Qtl			512.17 149.02	7187.86	130296=00 1071135.00	512.17 149.02	1071135.00	
18	Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.						0.00	0.00	0.00	
	GF	Sqm			43.76	5045.60	220795.00	43.76	220795.00	
	FF	Sqm			43.76	5072.10	221955.00	43.76	221955.00	
	SF	Sqm			50.99	5098.60	259978.00	50.99	259978.00	259624=00
19	Providing and laying in position reinforced cement concrete of design mix M 15 with OPC cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.	Cum			50.97 13.34	4406.42	259624=00 58782.00	50.97 13.34	58782.00	
20	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps) but including cost of materials, labour, HOM of machineries complete	Cum			2.50 2.54	75699.99	189249=00 192278.00	2.50 2.54	192278.00	189249=00
21	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 35mm, thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete	Sqm			13.41 15.44	3279.64	43980=00 50638.00	13.41 15.44	50638.00	43980=00
22	Providing and fixing in position Honne wood fully panelled shutters for windows with styles and rails of 25mm thick, 75mm wide in two halves with panels of 20mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)	Sqm			43.00 43.20	2921.36	125618=00 126203.00	43.00 43.20	126203.00	125618=00
23	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S.flats, or M.s square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kgs			907.20	92.22	83662.00	907.20	83662.00	
24	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.				133.89		16605=00	133.89		
	GF	Sqm			169.33	124.02	21000.00	169.33	21000.00	16605=00
	FF	Sqm			169.33	127.20	21539.00	169.33	21539.00	
	SF	Sqm			316.23	130.38	41230.00	316.23	41230.00	
25	Providing 15mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corner wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						0.00	0.00	0.00	
	GF	Sqm			175.11	121.90	21346.00	175.11	21346.00	
	FF	Sqm			175.11	126.14	22088.00	175.11	22088.00	
	SF	Sqm			306.57	128.26	39321.00	306.57	39321.00	22266=00
					173.60		22266=00	173.60		

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measuren		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
26	Providing 12mm thick cement plaster in single coat with cement mortar 1:3 to ceiling including rounding off corners wherever required smooth rendering, :Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.									
	GF	Sqm			158.94	147.94	23514.00	158.94	23514.00	
	FF	Sqm			158.94	150.94	23990.00	158.94	23990.00	
	SF	Sqm		22.50	55.59	153.70	8544.00	55.59	8544.00	
27	Providing lime rendering for plastering to wall and ceiling, including cost of materials, laobur, curing complete as per specifications.	Sqm		864.20	1030.26	16.75	17257.00	1030.26	17257.00	
28	Providing white washing to new wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.				133.89			133.89		
	GF	Sqm			169.33	5.83	987.00	169.33	987.00	
	FF	Sqm			169.33	6.89	1167.00	169.33	1167.00	
	SF	Sqm			316.23	7.95	2514.00	316.23	2514.00	
29	Providing and applying one coat distemper primer of approved brand on wall surface after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface, even and sand paper smooth cost of materials, labour, complete as per	Sqm			1030.26	19.08	19657.00	1030.26	19657.00	
30	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications	Sqm			1030.26	53.00	54604.00	1030.26	54604.00	
31	Providing and finishing external walls in two coats with water proof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm			620.46 654.90	46.64	28938 30545.00	620.46 654.90	30545.00	
32	Applying priming coat over new wood surface and/or wood based surface with white lead paint priming including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as	Sqm		100.68	105.80	26.50	2668 2804.00	100.68 105.80	2804.00	
33	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per	Sqm		100.68	105.80	75.26	7577 7963.00	100.68 105.80	7963.00	
34	Providing and laying in position plain cement concrete of mix M 10 with OPC cement @ 220 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, cost of all materials, labour HOM of machinery curing complete as per specifications. Specification	Cum			22.80 22.89	4053.44	92418 92783.00	22.80 22.89	92783.00	
35	Providing anf fixing special make glazed vitrified tiles (Granomite finish) of approved make, quality and colour of size 600 x 600 x 10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing						0.00	0.00	0.00	
	GF	Sqm			165.20	1190.38	196651.00	165.20	196651.00	
	FF	Sqm			165.20	1191.97	196913.00	165.20	196913.00	
36	Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm		47.34	52.20	70.28	3327 3669.00	47.34 52.20	3327 3669.00	
37	Providing lath plaster with cement mortar 1:3, 5 cms thick with 6mm dia mild steel bars at 20 cms. c to c both horizontally and vertically fixing chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, labour, providing and removing form work HOM of machinery curing, complete as per specifications	Sqm			31.86 51.76	817.26	26038 42301.00	31.86 51.76	42301.00	
38	Providing wall black boards in CM 1:3 with two coats of black paint including finishing etc., c	Sqm			24.00	752.60	18062.00	24.00	18062.00	
39	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 Nos. of 150mm long brackets of 15x15mm M.S.Square tube, the entire door frame to be reinforced with 19x19mm MS Square tube of 19 gauge. The door frame to be fixed to the wall using M.s.Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	Sqm			6.30	332.84	2097.00	6.30	2097.00	

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	vious Measuren		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
40	Providing and fixing factory made splendoor of solid core single leaf rigid composite polymer laminated sal wood, door shutter of required thickness, manufactured out of solid core door conforming to IS 2202 (Part-1) 1991, laminated with 0.8mm thick polymer, termite, water resistant and fire retardant with superior gluing based on vacuum lamination technology and with various pre moulded design on both faces conforming to IS shuters tested in conformation to IS 4020-1994. The finish of shutters will be TEADK/OAK/CEDAR/ROSE WOOD/WALNUT, plain colurs WHITE/IVORY/BEIGE/LIGHT GREY. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot with door shutter 30mm	Sqm			6.30	3074.00	19366.00	6.30	19366.00	
41	Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specifications. for Ceramic Tiles of size 15 x 15cms . Specification No.KBS	Sqm			121.60 121.95	775.92	94352=00 94623.00	121.60 121.95	94352=00 94623.00	
42	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I. / ISO / SSI specifications.	Ltr			2000.00	6.10	12200.00	2000.00	12200.00	
43	Providing and fixing on wall surface 4.0kg/sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per	Mtr			131.00	466.40	61098.00	131.00	61098.00	
44	Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications	Pan			4.00	1569.86	6279.00	4.00	6279.00	
45	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each			19.00	147.34	2799.00	19.00	2799.00	
46	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430 x 260 x 350mm with 5 litres PVC automatic flushing cistern, C.I. / M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	Unit			12.00	2446.48	29358.00	12.00	29358.00	
47	Providing and fixing white vitreous china clay, surgeon type wash basin size 660 x 460mm with a pair of 15mm C.P brass pillar taps with single elbow operated levers, C.I / M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No.KBS 11	Unit			2.00	3142.90	6286.00	2.00	6286.00	
48	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 40mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each			2.00	1046.22	2092.00	2.00	2092.00	
49	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) 20mm nominal OD pipes	Mtr			150.00	127.20	19080.00	150.00	19080.00	
50	Constructing brick mansonry inspection chamber 600 x 600 mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 C.I. cover 23kg and weight of frame (light duty) 600 x 600mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including	Nos			3.00	7027.80	21083.00	3.00	21083.00	
51	Providing and laying in position Yelahanka tiles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour	Sqm			57.55	622.22	35809.00	57.55	35809.00	
52	boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement roda by using binding wires and unused ways if junction boxes and pipe ends should be covered using PVC end enclosures. run with 185 WG GL fish wire wherever necessary b. 25mm dia 2mm thick.	p/mtr			240.00	41.00	9840.00	240.00	9840.00	
53	Groove cutting in the wall: supplying dia 2mm / 2.5 mm thick heavy gauge PVC conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through our the conduit whevere necessary b. 25 mm dia 2 mm thick.	P/Mtr			90.00	53.00	4770.00	90.00	4770.00	
54	Point wiring using copper wire with switch supplying and wiring adopting loop system in existing PVC conduit / casing caping using copper PVC insulated multi strand 2 x 1.5 sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other e.d of the wires shall be terminated with sufficient loose length in a wood / PVC/ round block. complete for each outlet. a short point upto 3 mtr. from tapping point to outlet via switch box	Each			8.00	175.00	1400.00	8.00	1400.00	
	b. Medium point above 3 mtr upto 6 mtr from trapping point to out let via switch box.	Each			8.00	260.00	2080.00	8.00	2080.00	

	Items of work (grouped under sub-heads the sub works of the estimate)	Unit	Previous Measuren		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
	c. Long point above 6 mtr upto 10 mtr from topping point to out let via switch box.	Each			18.00	368.00	6624.00	18.00	6624.00	
55	Supplying and flush mounting Teak wooden box without from plank made of not less than 12mm thick wood after due groove cutting necessary masonary patchwork compelte									
	12"x9"x3	Each			10.00	80.00	800.00	10.00	800.00	
56	Wiring for lighting / power circuit using one of PVC insulated 110v grad, multis and copper conductor single core cable in open or consealed system of wiring.									
	b. 1.5 sqmm	P/Mtr			200.00	15.00	3000.00	200.00	3000.00	
	c. 2.5 sqmm	P/Mtr			450.00	25.00	11250.00	450.00	11250.00	
57	Supplying 6A flush projected type socket and a 6 amps flush / projected type SP switch either surface / flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required	Each			6.00	105.00	630.00	6.00	630.00	
58	Suppplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc, and fixing on existing wooden or metal box using N.F.Screws	Sqm			1200.00	0.22	264.00	1200.00	264.00	
59	Extra for supplying 4mm thick white plastic plate and covering for junction boxes or size.....mm conduit using necessary machine screws	Nos			12.00	7.25	87.00	12.00	87.00	
60	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materails and c type curve indicator ON/OFF energy cross 3 2ith short circult breaking capacity of 10K nd complete wiring as required 5-32 amps. Ground-A	Each			1.00	195.00	195.00	1.00	195.00	
61	Supplying, fixing, PBBC bakelite straight or slant batten holder and wiring within 60w/230volts lamps	Nos			20.00	60.00	1200.00	20.00	1200.00	
62	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 Sqmm	Rmt			60.00	125.00	7500.00	60.00	7500.00	
63	Digging of trench of 0.6 mtrs deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete as per civil S.R. KSRB 1-2 page. 7.25 sqmm to 75sqmm a ordinary soil.	Rmt			40.00	140.00	5600.00	40.00	5600.00	
64	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C Cutouts and other equipments on themeter boatrd using 450mm dia 2.90 thick G.I.Pipe2.5 Mtr long buried in a pit... The pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc, is to be established through GI Wire of size as per ISI specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12 mm dia.	Each			1.00	1950.00	1950.00	1.00	1950.00	
65	Supplying and fixing of Class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clampimg arrangements for UG cable of 1.1 KV class	Rmt			20.00	240.00	4800.00	20.00	4800.00	
66	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing GI pipe/stoneware plipe/on wall/on pipe as required 1. in existing trench / duct a) 6 sqmm to 16 sqmm	Rmt			60.00	8.00	480.00	60.00	480.00	
67	Supplying and running of GI / copper strips grounding commections, using sary fixing materials as required GI strip a) 25 x 6mm	Mtr			24.00	121.00	2904.00	24.00	2904.00	
68	Supplying and fixing L.T.Cast Iron potheads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminale, clamps, bolts, nuts and washers etc.	Each			1.00	260.00	260.00	1.00	260.00	
	TOTAL						4999959.00		4999959.00	4927533=00
	ADD 11% KRIDL CHARGES						549995.49		549995.49	492753=00
	GRAND TOTAL						5549954.49		5549954.49	5420286=00
	CERTIFICATE:									
1	Work done is satisfactory									
2	There are no departmental issuesmade to the contractor	Rupees in words								
3	The contractor has cleared all debrice from work spot									